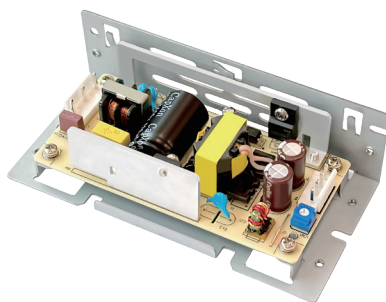


UNOWT 30W Series

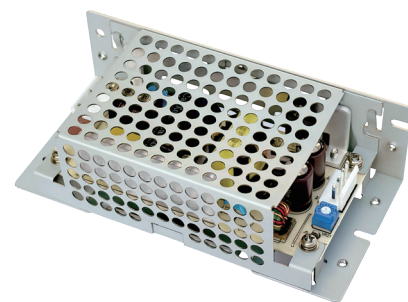
Industrial Power Supply
Standard Product
Compact 2"×4.1"



▲ UNOWT1030 Series



▲ UNBWT1030 Series
with chassis



▲ UNSWT1030 Series
with chassis and cover



■ Please contact our sales department for safety standard of each model.



Model Name Definition

UNOWT 1030 -

① ② ③ ④ ⑤

- ① Developed by UNIFIVE
- ② Series Code
- ③ Input Voltage (V)
- ④ Output Power (W)
- ⑤ Function Description
(multiple digits)
 - O: Standard Version
 - B: Chassis
 - S: Chassis and cover

Product Highlights

- Stability
- Energy and High Efficiency
- PCB Size 2"x 4.1"(inch)
- Appendix 8 of PSE :
comply with dusty requirement
- Up to 5-Year Warranty
- Correspond to OVC III (2000m)
- Operating altitude Up to 5,000m
- Suitable for industrial equipment

Protection

- Short Circuit Protection
- Over Voltage Protection
- Over Current Protection
- Over Temperature Protection

Safety Standard

- 62368-1
- PSE 別表第八
100V 基準に準拠

Efficiency

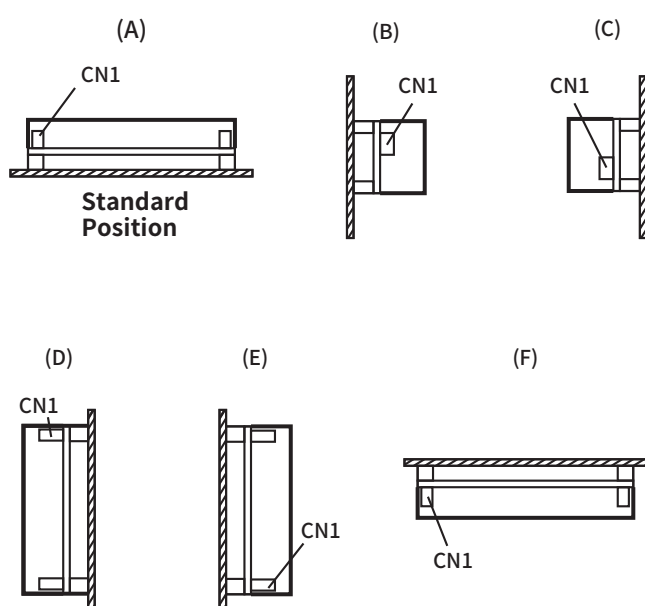
- Energy Efficiency Level VI (ErP / DoE)
- Meet Commission Regulation(EU)
2019/1782
- Meet DOE 10 CFR part 429 and 430

Emissions

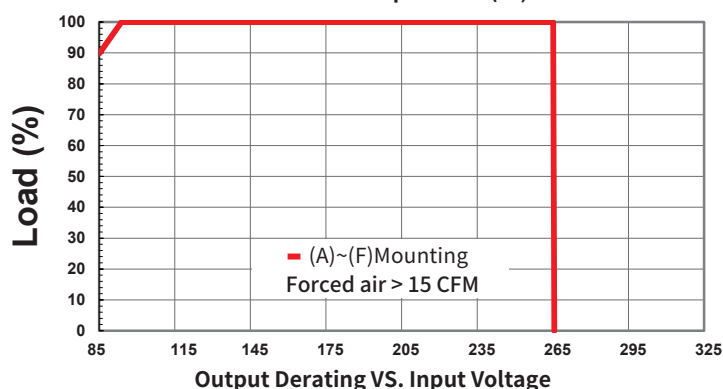
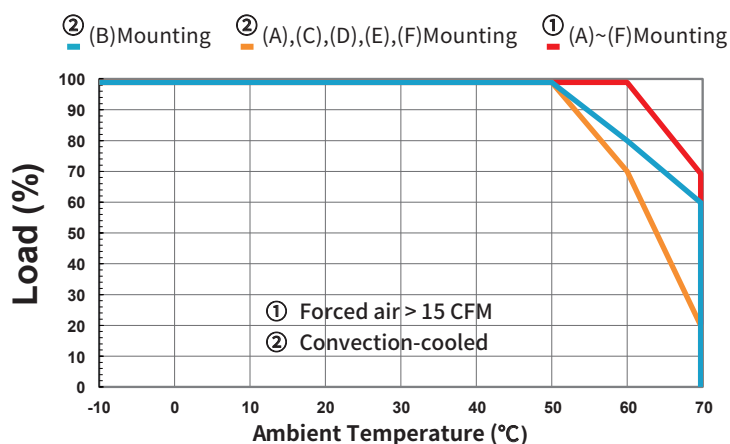
- FCC
- FCC Part15-B

Installation Method & Derating

Installation method



Ambient temperature derating curve (reference value)



Electrical Spec

Input					
Description	Min.	Typ.	Max.	Units	Comment
Voltage	90	100~120	132	Vac	
Frequency	47	50/60	63	Hz	

Environmental					
Description	Min.	Typ.	Max.	Units	Comment
Operating Temperature	-10	-	70	°C	Free Convection, Sea Level Convection: -10 - +70°C (-10 - +50°C: 100%, +60°C: 70%, +70°C: 20%)
Storage Temperature	-30	-	75	°C	Free Convection, Sea Level
Operating Humidity	5	-	95	%RH	No Condensing
Storage Humidity	5	-	95	%RH	No Condensing

Typical model list

Output Port	Model Name	DC Output Voltage	DC Output Current	Output voltage range	Ripple	Noise	Option / Remark
CN2	UNOWT1030-033060SA	3.3V	6.0A	±10% ^(4.)	120mV	160mV	
	UNOWT1030-050060SA	5.0V	6.0A	±10% ^(4.)	120mV	160mV	
	UNOWT1030-120025SA	12.0V	2.5A	±10% ^(4.)	150mV	180mV	
	UNOWT1030-150020SA	15.0V	2.0A	±10% ^(4.)	150mV	180mV	
	UNOWT1030-240013SA	24.0V	1.3A	±10% ^(4.)	150mV	180mV	

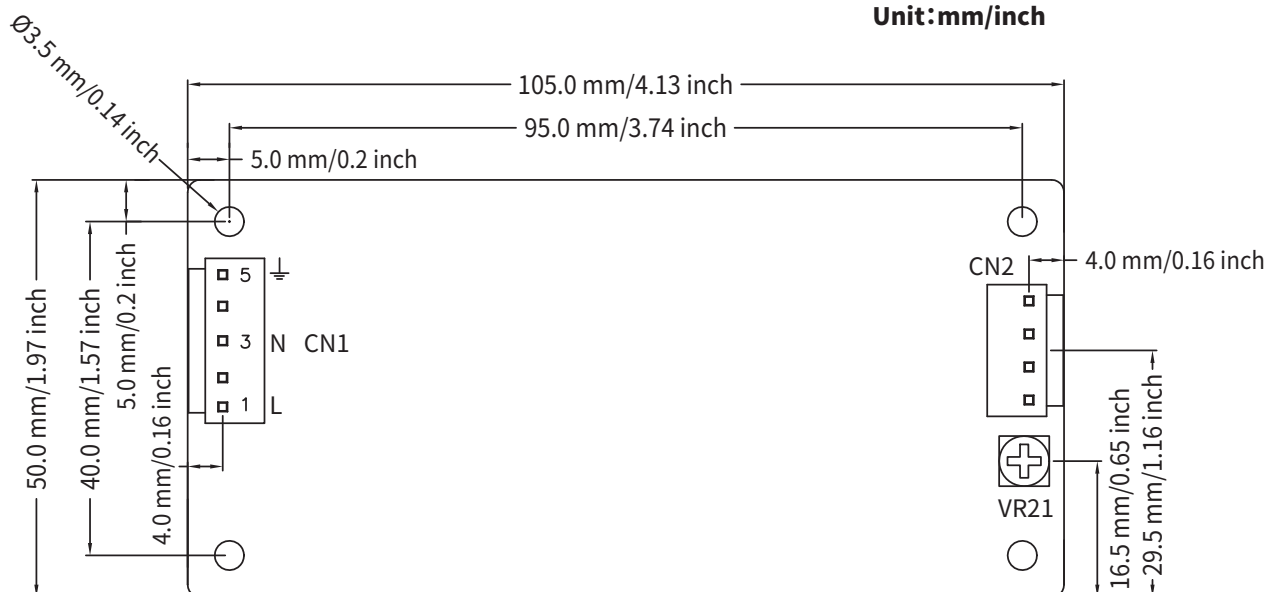
■ Measurement Condition

1. Measurements shall be made with an oscilloscope with 100MHz bandwidth.
2. Outputs shall be bypassed at the connector with a 0.1uF ceramic disk capacitor and a 100uF Low ESR electrolytic capacitor to simulate system loading.
3. Use cable length 150mm for ripple test.
4. Output voltage range ±10%, the voltage can be adjusted by a rheostat.

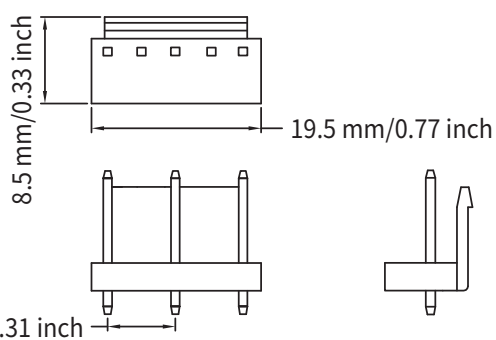
more detail on next page

Mechanical Spec

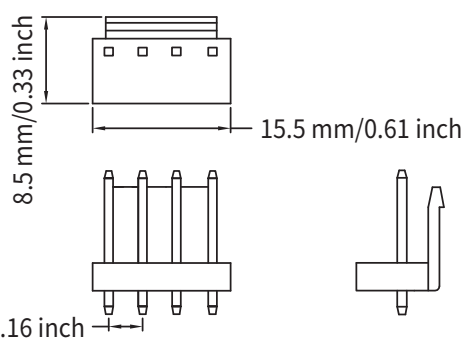
TOLERANCE: ± 0.5 mm
Unit: mm/inch



CN1



CN2



CN1

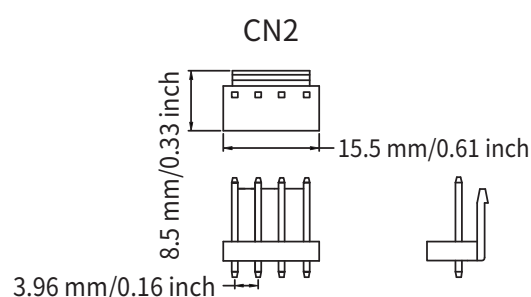
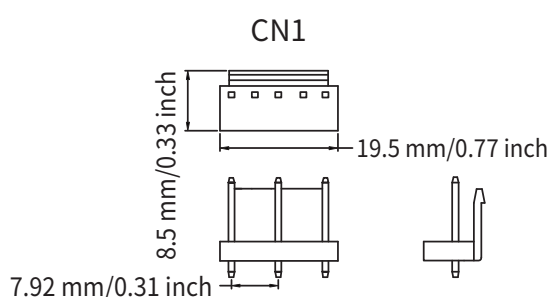
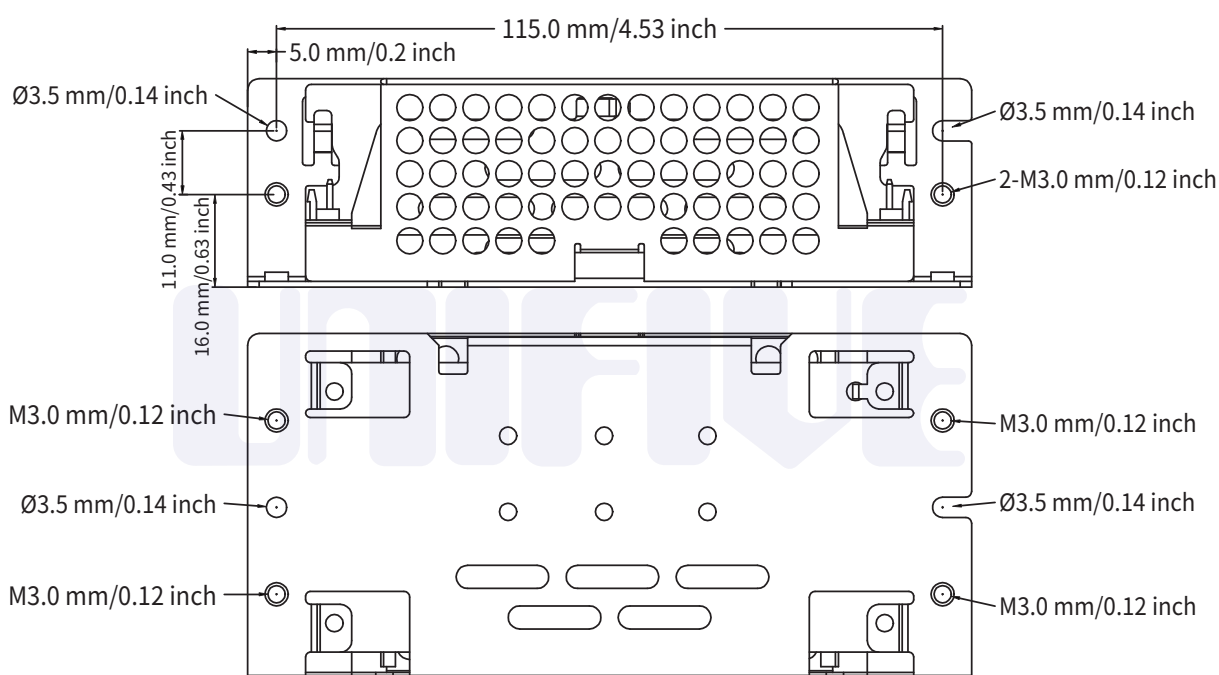
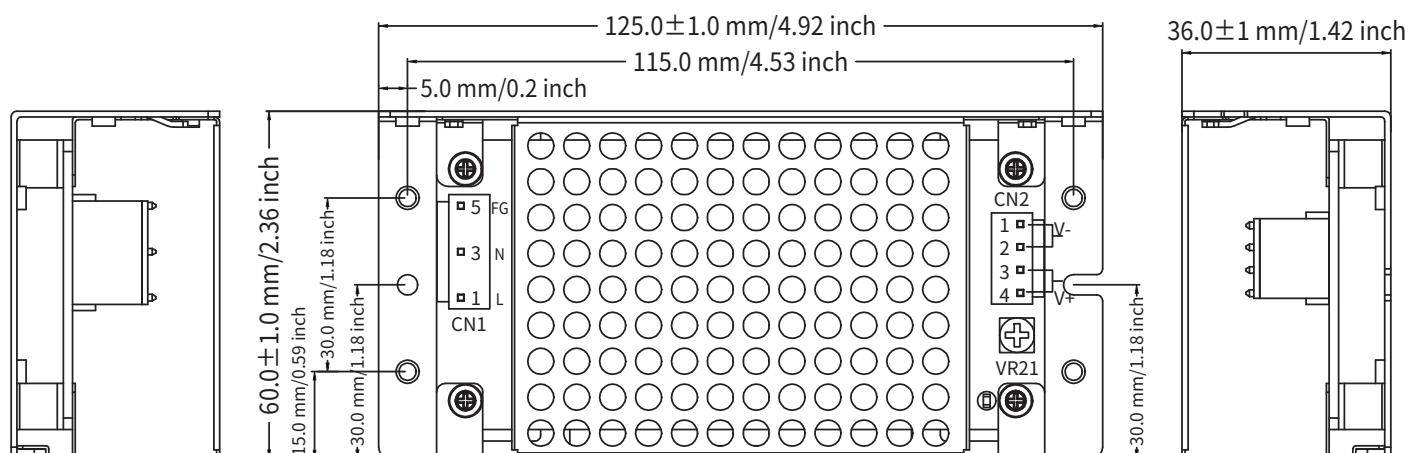
PIN NUMBER	INPUT
1	AC(L)
2	
3	AC(N)
4	
5	FG
CN1 : INPUT CONNECT Specifications are equivalent to models of JST B5P-VH	

CN2

PIN NUMBER	OUTPUT
1,2	V-
3,4	V+
CN2 : OUTPUT CONNECT Specifications are equivalent to models of JST B4P-VH	

Mechanical Spec

TOLERANCE: ± 0.5 mm
Unit: mm/inch



CN1

PIN NUMBER	INPUT
1	AC(L)
2	
3	AC(N)
4	
5	FG
CN1 : INPUT CONNECT Specifications are equivalent to models of JST B5P-VH	

CN2

PIN NUMBER	OUTPUT
1,2	V-
3,4	V+
CN2 : OUTPUT CONNECT Specifications are equivalent to models of JST B4P-VH	

■ Please contact our sales department for details of each model ■